

## SYSTEM AND METHOD FOR SELECTIVELY BROADCASTING A MULTIDIMENSIONAL DIGITAL FRAME STRUCTURE

### ABSTRACT OF THE INVENTION

5           A system and method have been provided for programming  
synchronization features of a multidimensional digital frame structure.  
Such a frame structure acts as a digital wrapper and includes overhead,  
payload, and forward error correction (FEC) sections. Words in the  
overhead section are used to selectively synchronize the broadcast frame  
10 structure at a plurality of network nodes. The described invention  
permits the frame synchronization bytes (FSBs) to be made  
programmable, so that the system and method are flexible for changes in  
communication protocols, as well for the selective exclusion of nodes. This  
flexibility also impacts the number, the location, bandwidth, and the bit  
15 error rate (BER) of the located FSBs.

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